

**Table 37.** Maximum stages and discharges prior to and during January 20–23, 1993, in southern Mississippi

[mi<sup>2</sup>, square miles; ft, feet above an arbitrary datum; ft<sup>3</sup>/s, cubic feet per second; --, not determined or not applicable. Source: Recurrence intervals calculated from U.S. Geological Survey data. Other data from U.S. Geological Survey reports or data bases]

| Site no.<br>(fig. 60)  | Station no. | Stream and place of determination     | Drainage area (mi <sup>2</sup> ) | Maximum prior to January 1993 |      |                    |                                | Maximum during January 20–23, 1993 |            |                                |                                       |
|------------------------|-------------|---------------------------------------|----------------------------------|-------------------------------|------|--------------------|--------------------------------|------------------------------------|------------|--------------------------------|---------------------------------------|
|                        |             |                                       |                                  | Period                        | Year | Stage (ft)         | Discharge (ft <sup>3</sup> /s) | Day                                | Stage (ft) | Discharge (ft <sup>3</sup> /s) | Discharge recurrence interval (years) |
|                        |             |                                       |                                  |                               |      |                    |                                |                                    |            |                                |                                       |
| Pascagoula River Basin |             |                                       |                                  |                               |      |                    |                                |                                    |            |                                |                                       |
| 1                      | 02472000    | Leaf River near Collins, MS           | 743                              | 1856–1993                     | 1856 | 33.00              | 56,000                         | 23                                 | 21.19      | 14,800                         | 2                                     |
| 2                      | 02472500    | Bouie Creek near Hattiesburg, MS      | 304                              | 1900–93                       | 1974 | 32.60              | 54,200                         | 21                                 | 18.14      | 7,620                          | 3                                     |
|                        |             |                                       |                                  |                               | 1974 | 28.18              | 45,500                         |                                    |            |                                |                                       |
| 3                      | 02473000    | Leaf River at Hattiesburg, MS         | 1,750                            | 1900–93                       | 1974 | 34.03              | 121,000                        | 21                                 | 21.17      | 29,000                         | 3                                     |
| 4                      | 02474500    | Tallahala Creek near Runnelstown, MS  | 612                              | 1885–1993                     | 1900 | <sup>2</sup> 30.50 | 38,000                         | 21                                 | 21.59      | 11,000                         | 3                                     |
|                        |             |                                       |                                  |                               | 1961 | <sup>2</sup> 24.84 | 32,800                         |                                    |            |                                |                                       |
| 5                      | 02474560    | Leaf River near New Augusta, MS       | 2,540                            | 1900–93                       | 1900 | 36.00              | 120,000                        | 22                                 | 26.28      | 42,400                         | 5                                     |
| 6                      | 02474600    | Bogue Homo near Richton, MS           | 344                              | 1971–93                       | 1973 | 27.63              | 21,900                         | 21                                 | 20.08      | 9,440                          | 3                                     |
| 7                      | 02474650    | Buck Creek near Runnelstown, MS       | 20.8                             | 1951–93                       | 1961 | 94.89              | 3,900                          | 21                                 | 12.58      | 2,370                          | 2                                     |
|                        |             |                                       |                                  |                               | 1979 | <sup>2</sup> 91.41 | 5,700                          |                                    |            |                                |                                       |
| 8                      | 02475000    | Leaf River near McLain, MS            | 3,500                            | 1900–93                       | 1900 | 31.80              | 131,000                        | 22                                 | 25.34      | 61,000                         | 5                                     |
|                        |             |                                       |                                  |                               | 1961 | 31.64              | 128,000                        |                                    |            |                                |                                       |
| 9                      | 02475050    | Waterfall Branch near McLain, MS      | .65                              | 1955–93                       | 1959 | 11.71              | 764                            | 20                                 | 7.13       | 300                            | 2                                     |
| 10                     | 02477990    | Buckatunna Creek near Denham, MS      | 492                              | 1972–93                       | 1979 | 34.90              | 12,200                         | 21                                 | 25.59      | 6,490                          | 2                                     |
| 11                     | 02478500    | Chickasawhay River at Leakesville, MS | 2,690                            | 1900–93                       | 1900 | 38.00              | 125,000                        | 23                                 | 28.10      | 29,600                         | 3                                     |
|                        |             |                                       |                                  |                               | 1961 | 33.52              | 73,600                         |                                    |            |                                |                                       |
| 12                     | 02479000    | Pascagoula River at Merrill, MS       | 6,590                            | 1852–1993                     | 1900 | 32.50              | 230,000                        | 23                                 | 25.46      | 91,700                         | 4                                     |
|                        |             |                                       |                                  |                               | 1916 | 31.00              | 187,000                        |                                    |            |                                |                                       |
| 13                     | 02479130    | Black Creek near Brooklyn, MS         | 355                              | 1961–93                       | 1983 | 29.96              | 42,500                         | 21                                 | 25.29      | 20,300                         | 10                                    |
| 14                     | 02479155    | Cypress Creek near Janice, MS         | 52.6                             | 1959–93                       | 1959 | 32.06              | <sup>1</sup> 16,700            | 21                                 | 27.56      | 8,980                          | 15                                    |
| 15                     | 02479160    | Black Creek near Wiggins, MS          | 701                              | 1916–93                       | 1916 | 30.50              | <sup>1</sup> 60,000            | 22                                 | 26.79      | 32,300                         | 15                                    |

**Table 37.** Maximum stages and discharges prior to and during January 20–23, 1993, in southern Mississippi—Continued

| Site no.<br>(fig. 60) | Station no. | Stream and place of determination        | Drainage area<br>(mi <sup>2</sup> ) | Maximum prior to January 1993    |      |                    |                                | Maximum during January 20–23, 1993 |            |                                |                                       |
|-----------------------|-------------|--|-------------------------------------|----------------------------------|------|--------------------|--------------------------------|------------------------------------|------------|--------------------------------|---------------------------------------|
|                       |             |  |                                     | Period                           | Year | Stage (ft)         | Discharge (ft <sup>3</sup> /s) | Day                                | Stage (ft) | Discharge (ft <sup>3</sup> /s) | Discharge recurrence interval (years) |
|                       |             |  |                                     | Pascagoula River Basin—Continued |      |                    |                                |                                    |            |                                |                                       |
| 16                    | 02479300    | Red Creek at Vestry, MS                  | 441                                 | 1959–93                          | 1987 | 21.48              | 28,000                         | 22                                 | 19.93      | 21,200                         | 10                                    |
|                       |             |  |                                     | Tchoutacabouffa River Basin      |      |                    |                                |                                    |            |                                |                                       |
| 17                    | 02480500    | Tuxachanie Creek near Biloxi, MS         | 92.4                                | 1906–93                          | 1906 | 23.20              | 21,000                         | 21                                 | 16.82      | 4,890                          | 2                                     |
|                       |             |  |                                     |                                  | 1987 | 23.63              | 19,600                         |                                    |            |                                |                                       |
|                       |             |  |                                     | Biloxi River Basin               |      |                    |                                |                                    |            |                                |                                       |
| 18                    | 02481000    | Biloxi River at Wortham, MS              | 96.2                                | 1916–93                          | 1983 | 25.30              | 10,300                         | 21                                 | 22.96      | 7,000                          | 5                                     |
| 19                    | 02481130    | Biloxi River near Lyman, MS              | 251                                 | 1957–93                          | 1957 | <sup>1</sup> 21.50 | <sup>1</sup> 35,000            | 21                                 | 19.55      | 16,900                         | 5                                     |
|                       |             |  |                                     | Wolf River Basin                 |      |                    |                                |                                    |            |                                |                                       |
| 20                    | 02481510    | Wolf River near Landon, MS               | 308                                 | 1971–93                          | 1983 | 21.53              | 18,400                         | 22                                 | 27.12      | 16,600                         | 10                                    |
|                       |             |  |                                     | Pearl River Basin                |      |                    |                                |                                    |            |                                |                                       |
| 21                    | 02488000    | Pearl River at Rockport, MS              | 4,560                               | 1874–1993                        | 1979 | 42.83              | <sup>1</sup> 123,000           | 21                                 | 27.97      | 33,900                         | 2                                     |
| 22                    | 02488500    | Pearl River near Monticello, MS          | 4,990                               | 1874–1993                        | 1874 | 34.50              | --                             | 22                                 | 24.97      | 40,100                         | 3                                     |
|                       |             |  |                                     |                                  | 1979 | 34.08              | 122,000                        |                                    |            |                                |                                       |
| 23                    | 02490500    | Bogue Chitto near Tylertown, MS          | 492                                 | 1936–93                          | 1936 | 34.70              | 49,000                         | 21                                 | 20.76      | 13,800                         | 2                                     |
|                       |             |  |                                     |                                  | 1983 | 34.62              | 64,200                         |                                    |            |                                |                                       |
| 24                    | 02492360    | West Hobolochitto Creek near McNeill, MS | 175                                 | 1966–93                          | 1983 | 23.25              | 18,000                         | 21                                 | 23.43      | 27,800                         | 200                                   |
|                       |             |  |                                     | Thompson Creek Basin             |      |                    |                                |                                    |            |                                |                                       |
| 25                    | 07373550    | Moore's Branch near Woodville, MS        | .21                                 | 1955–93                          | 1973 | 9.90               | 455                            | 20                                 | 7.06       | 285                            | 4                                     |

<sup>1</sup>Estimated.<sup>2</sup>Site and datum then in use.